



**VA/DoD Sharing Conference - Creating Value for Veterans,
Active Duty and Taxpayers**

VA/DoD Joint Datamart

October 19, 2011



Overview



- Datamart Project Milestones and Objectives
- How the Data Mart works and what it contains
- Demonstration of Data Mart and Opportunity Identification Report
- Questions/Answers



DoD/VA Data Mart



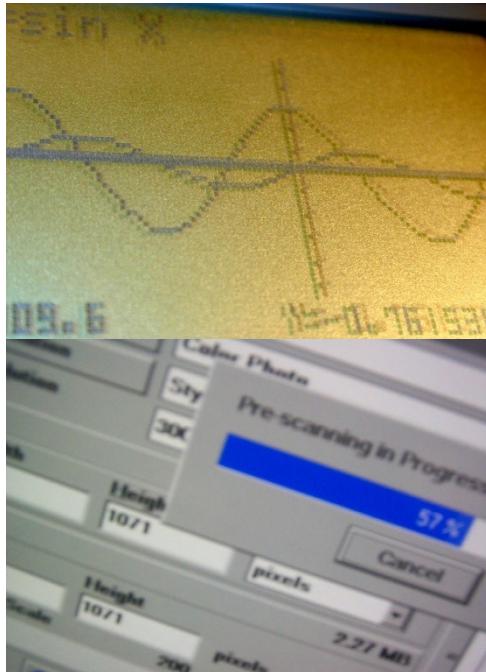
Milestones

and Objectives

- Funded as a Joint Incentive Fund project (2005 and 2009)
- Implemented datamart access to AF and VA staff in 27 MTF Catchments where AF/VA in close proximity
- Expanded access to purchased care data to VAMC staff located in Army and Navy MTF markets and conducted training (June-July 2011)
- Will provide Army and Navy MTF staff access to AF type push reports for VA/DoD purchased care data (2012)
- Will expand VA/DoD datamart to include data for VAMC/MTF direct care and staffing in Army/Navy MTF locations (2013) - AF already has access to this data
- Will provide additional reporting capability on space availability at MTFs and VAMCs (2012-2013)
- Provide information and analytical support for VA/DoD healthcare planning, medical sharing activities, to aid in the identification of potential opportunities



How the Data Mart Works



- VA server and data tables in Austin
- AF server and data tables in Washington, DC
- Secure data transfer
- Each group (VA/AF) creates separate SQL Databases with combined data
- Front End Application reads SQL Server Analysis Services cubes using ProClarity



What the Data Mart Contains

- Purchased Care Data Cube
 - Updated quarterly with a one quarter lag, 24 rolling months
 - Treatment Date Based
 - Lag to allow purchased care data to mature
- Direct (In-house) Inpatient Discharges Data Cube
 - Updated quarterly with rolling 24 months
 - Discharge date based
- Direct (In-house) Outpatient Encounters Data Cube
 - Updated quarterly with rolling 24 months
 - Encounter date based
- Staffing Levels by Specialty
 - End of month snapshot



Purchased Care Cube

-
- Dimensions
 - VA/DoD Flag
 - Age
 - Gender
 - Catchment→Zip
 - Payment Facility
 - Beneficiary Cat/Priority
 - CPT
 - MDC/DRG
 - ICD9
 - Treatment Date
 - Vendor
 - Product Line
 - CPT/ICD9-based for Non Inst
 - MDC-based for Institutional
 - Measures
 - Amount Disbursed (All)
 - Authorized Days (Inst)
 - Dispositions (Inst)
 - Visits (Non-Inst)



Direct Care Inpatient Cube

-
- Dimensions
 - VA/DoD Flag
 - Age
 - Gender
 - Catchment→Zip
 - Treatment Facility
 - Beneficiary Cat/Priority
 - MDC/DRG
 - Principal ICD9
 - Discharge Date
 - Product Line→Work Unit
 - Based on MEPRS code for AF
 - Based on Disch Bedsection for VA
 - Crosswalk to common Product Lines
 - Measures
 - Dispositions



Direct Care Outpatient Cube

-
- Dimensions
 - VA/DoD Flag
 - Age
 - Gender
 - Catchment→Zip
 - Treatment Facility
 - Beneficiary Cat/Priority
 - Principal ICD9
 - Encounter Month
 - Product Line→Clinical Svc Line
 - Based on MEPRS code for AF
 - Based on Stop Code for VA
 - Crosswalk to common Product Lines
 - Measures
 - Visits



Staffing Cube

-
- Dimensions
 - VA/DoD Flag
 - Facility
 - Staff Specialty
 - Measures
 - Physician FTE
 - Resident FTE
 - Fellow FTE
 - Total FTE



AF Push Reports

Air Force - Veteran's Health Administration 0120 - Langley AFB Market Area Opportunity Identification Report - September 2009



Opportunity Identification

Expanding resource sharing opportunities is the goal for both the DoD and the VA. One way to approach opportunity identification is to look at market share. If there is a relatively close split for a common service, with high cost associated, it may be a candidate for joint services purchase with a common vendor, a DoD/VA internal-external resource share, or a new service initiation between the two federal departments. Included in the analysis is care rendered in the 40/20 mile area surrounding the Air Force facility, which can be expanded/reallocated to create a federal market area.

AFVA Private Sector Expenditures and Market Share

The pie chart shows the total expenditures for the previous 12 months. Private Sector Care claims lag approximately 3 months and mature over time.

Market Share by Dept/Enrl DMIS



Inpatient

	Unique Patients	Total Expenditure
MTF Enrollee	483	\$3,397,308
Other AF MTF Enrolle	23	\$214,662
VA	483	\$4,858,893

Outpatient

	Unique Patients	Total Expenditure
MTF Enrollee	14,103	\$16,020,013
Other AF MTF Enrolle	712	\$442,487
VA	3,753	\$9,525,328

Market Share is tracked as the percentage each department contributes the risk pool. Market Share = Air Force Expenditures + VA Expenditures. The table above shows the cost per unique patient seen in the Private Sector. These reflect expenditures across all product lines.

	AF	VA	Total
SENTARA - 541547608	\$3,395,119 16.71%	\$2,771,571 15.70%	\$6,166,690 17.70%
RIVERSIDE - 521245746	\$1,702,782 8%	\$2,952,717 20.56%	\$4,655,500 13.92%
MARY IMMACULATE HOSPITAL INC - 540548285	\$421,991 7.08%	\$306,947 2.35%	\$728,938 5.11%
CHILD HSP OF THE DMV DAUGHTER HOSPITALS INC -	\$1,102,804 5.49%	\$1,102,804 8.05%	\$1,102,804 3.20%
VIRGINIA ONCOLOGY ASSOCIATES PC -	\$612,231 3.05%	\$143,417 1.00%	\$755,648 2.19%
UNKNOWN VENDOR - 541846065	\$592,277 2.95%	\$0 0.00%	\$592,277 1.72%
NAVAL MED CTR - 540520697	\$0 0.00%	\$563,037 3.92%	\$563,037 1.63%
RIVERSIDE PHYS SVCS - 541519724	\$437,081 2.18%	\$118,297 0.82%	\$555,388 1.61%
MAXIM HLTHCARE SVCS INC - 521592651	\$98,176 0.34%	\$406,579 2.83%	\$406,756 1.38%
INTERIM HEALTHCARE - 541564031	\$0 0.00%	\$418,634 3.91%	\$418,634 1.22%
Others	\$10,762,002 53.71%	\$6,653,073 43.32%	\$17,435,075 50.63%
Total	\$20,074,480 100.00%	\$14,384,221 100.00%	\$34,458,671 100.00%

The Vendor Name is based on the provider tax ID which can represent a collection of hospitals, medical groups, clinics, service organizations, and individual physicians.

What is in this report?

This report contains purchased care expenditures along with direct care encounters/dispositions and staffing for both the DoD and VA for the market area in question. The report is organized as follows:

- Market Share and Private Sector Expenditures
- Private Sector Expenditures by Vendor
- Inpatient Expenditures by Product Line
- Inpatient Expenditures by DRG
- Direct Care Inpatient Dispositions by Product Line
- Direct Care Inpatient Dispositions by DRG
- Outpatient Expenditures by Product Line
- Outpatient Expenditures by CPT
- Direct Care Outpatient Dispositions by Product Line
- Direct Care Outpatient Dispositions by CPT
- DoD and VA Staffing

- Components
- Expenditures
- Top Vendors



AF Push Reports



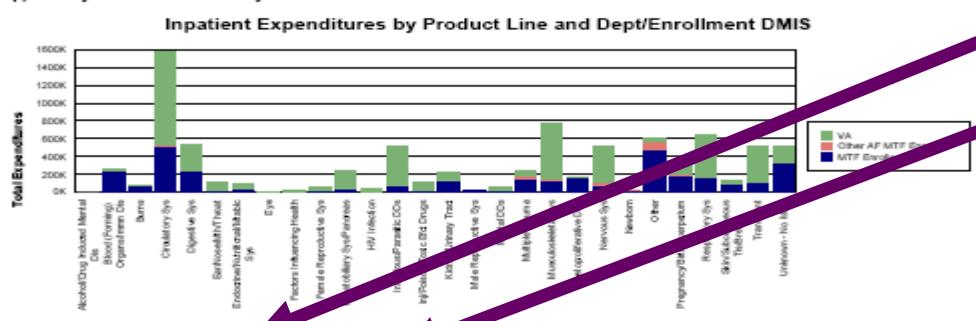
Air Force - Veteran's Health Administration
0120 - Langley AFB Market Area
Opportunity Identification Report - September 2009



What Product Lines are Expenditure

The graph and table below illustrate the cost expended in the last rolling 12-month period from the reporting date for inpatient care by Product Line and Dept/Enrollment DMID. Opportunities are suggested in product lines in which both departments are purchasing all or a portion of this care externally.

Opportunity Assessment Summary



- Components
 - Unique Patients
 - Expenditures

	Unique Pts	Encounters	MTF	Other MTF Enrollee	VA	Total
Alcohol/Drug Induced Mental Dis.	0	0	\$0	\$0	\$734	\$734
Blood (Forming) Organs/Minn Dis.	13	16	\$239,516	\$0	\$14,120	\$253,636
Burns	3	3	\$73,839	\$0	\$2,996	\$76,605
Circulatory Sys	88	97	\$510,943	\$20,323	\$1,046,084	\$1,577,350
Digestive Sys	60	66	\$240,749	\$5,238	\$285,104	\$531,091
Ear/Nose/Mth/Throat	7	7	\$18,267	\$0	\$98,374	\$116,641
Endocrine/Nutritional/Mtble Sys	12	13	\$34,221	\$2,196	\$65,713	\$92,070
Eye	2	2	\$3,703	\$0	\$3,721	\$7,424
Factors Influencing Health	2	2	\$2,092	\$0	\$11,890	\$13,782
Female Reproductive Sys	8	8	\$15,289	\$0	\$39,029	\$54,318
Hepatobiliary Sys/Pancreas	13	14	\$43,419	\$1,024	\$195,373	\$239,816
HIV Infection	0	0	\$0	\$0	\$41,319	\$41,319
Infectious/Parasitic DIs	14	14	\$79,189	\$0	\$436,683	\$515,653
Inj/Poison/Toxic Elec Drugs	9	9	\$31,314	\$0	\$83,619	\$114,933
Kidney/Urinary Tract	25	27	\$125,242	\$0	\$97,302	\$222,544
Male Reproductive Sys	2	2	\$22,927	\$0	\$0	\$22,927
Mental DIs	6	6	\$19,801	\$0	\$31,688	\$51,470
Muscle Trauma	7	7	\$158,228	\$22,307	\$68,035	\$248,570
Musculoskeletal Sys	43	44	\$132,006	\$18,015	\$616,851	\$786,872
Myleoproliferative DIs	3	5	\$162,356	\$0	\$8,942	\$171,298
Nervous Sys	32	35	\$82,227	\$25,312	\$406,196	\$613,736
Newborn	37	37	\$27,085	\$1,067	\$0	\$28,133
Other	22	25	\$471,829	\$99,655	\$44,711	\$616,195
Pregnancy/Birth/Puerperium	82	89	\$191,488	\$19,585	\$145,786	\$356,849
Respiratory Sys	37	40	\$174,995	\$0	\$471,385	\$646,380
Skin/Subcutaneous Tiss/Breast	11	11	\$90,044	\$0	\$34,500	\$124,544



AF Access To Application/ Report

- **Application**

- *Location:*
[https://
dodvajoint.afms.mil](https://dodvajoint.afms.mil)
- SG EGL account required
(<https://egl.afms.mil>)
- Knowledge Exchange (KX) Account required
- Active Common Access Card (CAC) required
- Request SG EGL Account through support at:

- **Report**

- Subscribe on SG EGL by logging in, clicking “Push Reports”, and adding it to your report cart



Support and questions to:
Customer Support

[sgrkm.support@pentagon.af.
mil](mailto:sgrkm.support@pentagon.af.mil)



AF Report Content & Proposed

Report

for Army-Navy MTFs with VA Partner



Current AF E-Push Report

Market Share and Private Sector Expenditures
Private Sector Expenditures by Vendor
Inpatient Expenditures by Product Line
Inpatient Expenditures by DRG
Direct Care Inpatient Dispositions by Product Line
Direct Care Inpatient Dispositions by DRG
Outpatient Expenditures by Product Line
Outpatient Expenditures by CPT
Direct Care Outpatient Dispositions by Product Line
Direct Care Outpatient Dispositions by CPT
DoD and VA Staffing

Army-Navy MTF

Reports*
Market Share and Private Sector Expenditures
Inpatient Expenditures by Product Line
Inpatient Expenditures by DRG
Outpatient Expenditures by Product Line
Outpatient Expenditures by CPT
Special Analysis Reports (Sleep Studies, Cardiac Cath, MRI's, Chemotherapy, Radiation Oncology)

*Proposed purchased care report in 2012 with direct care & staffing data added in 2013 when becomes available.



VA Access to Application and Pre-built Reports

- Microsoft Proclarity download, request form for PHI Access, and Datamart Training available on VHA Support Service Center (VSSC) Portal <http://vssc.med.va.gov/>



VA Access to Application and Reports



VSSC UNITED STATES DEPARTMENT OF VETERANS AFFAIRS VHA SUPPORT SERVICE CENTER (VSSC) Search > Open Advanced Search

Home Blog My Metrics My VSSC News Portals Support Training User Acceptance Testing

A-Z Index: 1 | 2 | A | B | C | D | E | F | G | H | I | J | L | M | N | O | P | Q | R | S | T | U | V | W |

Business Operations

- CBI Metrics
- HIMS
- Improvement Opportunities
- Trip Pack

Capital and Planning

- Capital Reports
- Planning Reports
- Capital Portal
- Operational & Planning Tools Portal

Clinical Care

- Clinical Programs
- Nursing Outcomes (VANOD)
- Physician Productivity
- Primary Care
- OPES Portal

Customer Service

- Patient Complaint Tracking & Patient Satisfaction
- National Veterans Service and Advocacy Program Portal

Quality & Performance

- Measures & Monitors
- Quality Management
- Utilization Management

Resource Management

- Employee Safety
- Finance
- Human Resources
- Logistics
- DSS Portal
- Employee Survey Portal
- Organizational Health Portal

Special Focus

- Homeless
- OEF/OIF
- Rural Health
- Transformation Initiatives
- Women Veterans Health
- VA - DOD Sharing
- OEF/OIF Portal

Systems Redesign

- Clinic Wait Times
- Systems Redesign Portal

Workload

- Bed Control
- Workload
- Workload Validation (Tools)

Executive Summaries

Help Desk Request

Suggestion Box

VHA Data Users Call
1-800-767-1750 #63073
3rd Thursday of the month.
3:00 - 4:00 EST

Announcements

- 6/15/2011 Update on the VSSC Tech Refresh [more»](#)
- 6/9/2011 Four PCMM Reports are currently unavailable [more»](#)
- 5/26/2011 Issues with output for some canned web reports [more»](#)
- 3/9/2011 Enrollment Data [more»](#)
[all announcements»](#)

New Products

A Day in the VA

VSSC Top Links

- All Product Listing
- New Products
- Cube Library
- PHI/SSN Access Request
- ProClarity Downloads

Help Desk Requests

VA - DoD Sharing

List of Cubes by Server Location

PHI Access

ProClarity Downloads

User Acceptance Testing

Home

Blog

My Metrics

My VSSC

News

Portals

Support

Training



QUESTIONS?





BACK-UP SLIDES



General, Inpatient, and Outpatient Combined VA/DoD



Views/Reports

The screenshot displays a software application window with a navigation bar at the top and a detailed report tree on the right. The navigation bar includes File, View, Navigate, My Views, Book, Tools, and Help menus, along with Back, Forward, Reset, Apply, Setup, Timeline, View, Sort, and Filter buttons. Below the navigation bar is a toolbar with icons for Add, Organize, and other functions.

The main area shows a hierarchical list of reports under the title "Tricare %20Cube %20Briefing %20Book[1].bbk". The reports are categorized into three main sections: General Views, Inpatient Care, and Outpatient Care. A red box highlights the "General Views" section, and a red arrow points from the left side of the screen towards it.

- General Views**
 - Amount of Care by Product Line with slicer for Catchment Area
 - Cost by Payment Facility
 - Performance Map Comparing Catchment Areas on \$\$ Expended and Patients Treated
 - FY09-FY10 Cost Trend with Catchment Area Slicer
- Inpatient Care**
 - Inpatient Expenditures by Product Line
 - Top 50 Inpatient ICD9 codes with slicer for Catchment & Product Line sorted by Amount VA-DoD
 - Cost and Workload by DRG Grouping with VA & DoD broken out
 - Top 30 DRGs based on VA Expenditures
 - Performance Map by MDC Based on \$\$ Amt and Unique Pts
- Outpatient Care**
 - Outpatient Expenditures by Product Line
 - Avg Cost and Pts by CPT Class
 - Avg Cost and Pts for Top 50 CPT Categories
 - Avg Cost and Pts for Top 50 CPT Codes based on Cost with VA breakout
 - CPT by Outpatient Product Lines
 - Top 50 Outpatient ICD9 codes with slicer for Catchment & Product Line sorted by Amount VA-DoD
 - Performance Map of Outpt Product Line by \$\$ Expended and Unique Pts



SPECIAL ANALYSES

Views/Reports



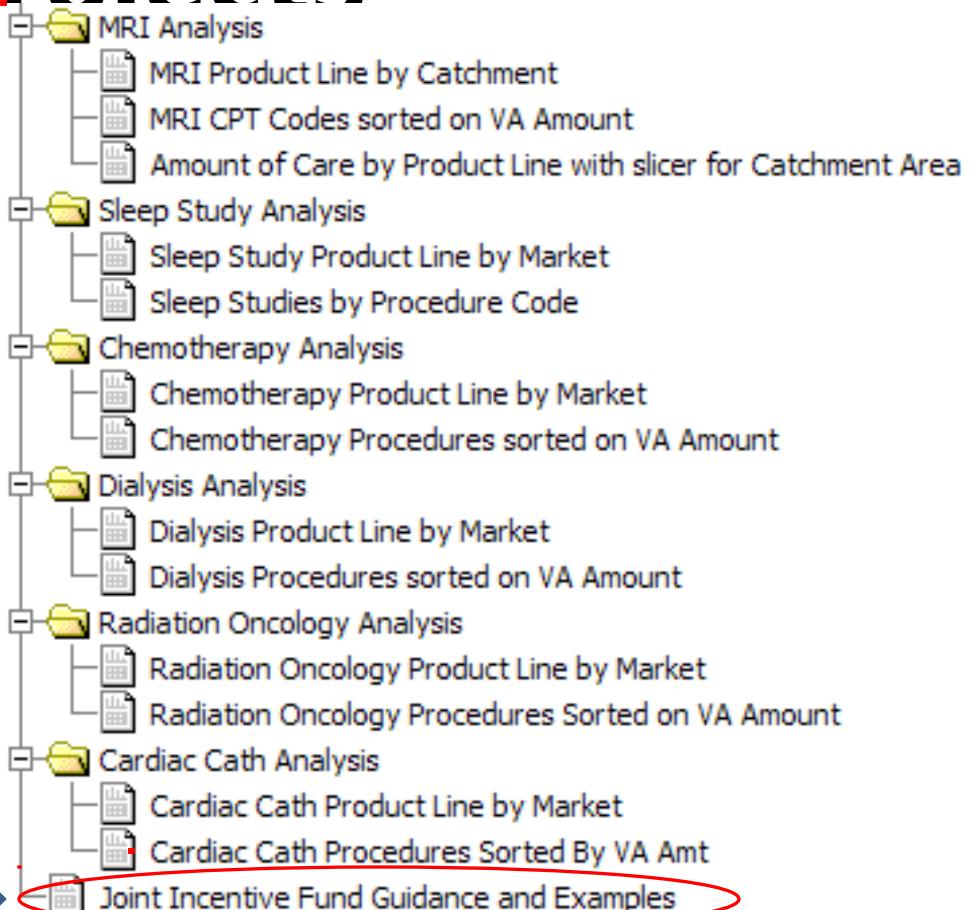
based on Popular VA/DoD JIF

Projects

The screenshot shows a software application window with a menu bar (File, View, Navigate, My Views, Book, Tools, Help) and various toolbar icons. Below the menu is a 'Briefing Book' section with 'Add...' and 'Organize...' buttons. A 'General Views' section is expanded, showing:

- Amount of Care by Product Line with slicer for Catchment Area
- Cost by Payment Facility
- Performance Map Comparing Catchment Areas on \$\$ Expended and Patient
- FY09-FY10 Cost Trend with Catchment Area Slicer
- Inpatient Care
- Outpatient Care
- MRI Analysis
- Sleep Study Analysis
- Chemotherapy Analysis
- Dialysis Analysis
- Radiation Oncology Analysis
- Cardiac Cath Analysis
- Joint Incentive Fund Guidance and Examples

A red box highlights the 'Joint Incentive Fund Guidance and Examples' item.



VA webpage link
to JIF Guidance
and Examples